

GINZBURG-SHIK, L.D., insh.; DEMCHENCO, N.I., insh.; TAKCHSON, S.S., insh.

Cracks in pipe welds, Elek, sta. 29 no.4:28-31 Ap '58.

(Welding)

(Welding)

ACC NRI APOUTOTIS

(A)

"BOURCE CODE: UR/0413/66/000/009/0125/0126

INVENTOR: Khromykh, V. A.; Demchenkov, N. I.; Stankevich, V. Y.

ORG: None

TITLE: A diesel fuel pump with two-phase feed. Class 46, No. 181447

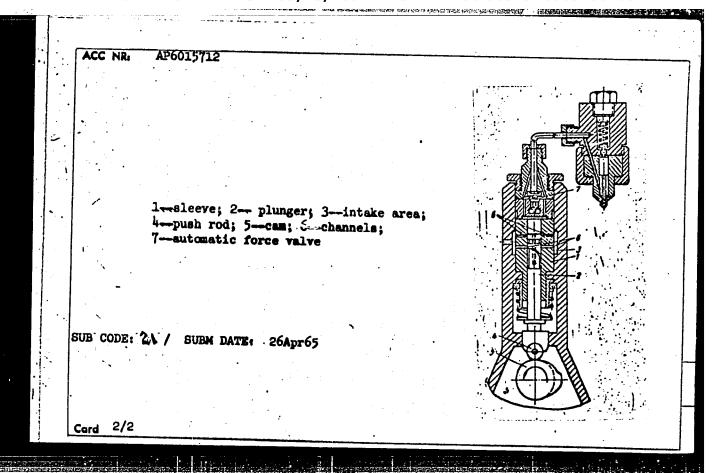
SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 125-126

TOPIC TAGS: diesel engine, engine fuel system, engine fuel pump

ABSTRACT: This Author's Certificate introduces: 1. A diesel fuel pump with two-phase feed containing a sleeve with a plunger. The plunger has an additional shoulder for distributing fuel. An intake area in the housing communicates with the high pressure area above the plunger. The unit is equipped with a push rod driven by a cam. In order to improve fuel delivery, the intake area is connected with the area above the plunger by means of two or more channels located at various levels with respect to the height of the sleeve. 2. A modification of this device which contains an automatic intake valve in the force line to ensure preignition regardless of engine operating conditions.

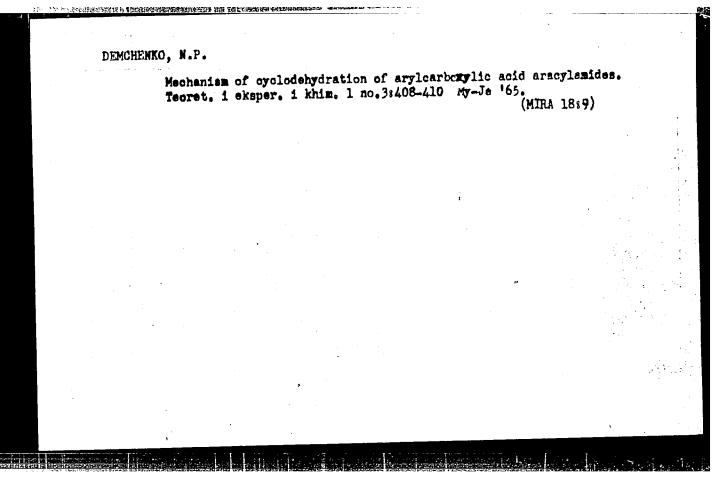
Card 1/2

UDC: 621,43,031



٠.	DEMCHENAO, N.P.		
•	DEMCHENAO, N. P. LACO37-65 ENT (m)/EPF(c)/ENP(j)/T/ENA(c) PC-4/PT-4 ACCESSION NR: AR5005638 ACCESSION NR: AR5005638	(JP(a) RM 7000/022/B049/B050 36	
	gormer, Ref. zh. Khimiya, Abs. 220323		
	AUTHOR: Kutayna, L.M.; Grekov, A.P.; Lupachko, Yo. A.; V. Aleksandrova, D. M.; Hickly, G.D.; Demchento, N.P.	Jerkhovisova, E. I.;	
	The use of 1-methylnaphthalend in scintillation technol	ogy	٠
	CITED SOURCE: Sb. Steintillyatory i steintillyate. materialy.	Khar'kov, Khar'kovsk.	
	TOPIC TAGS: scintillator, scintillation country, methylnaphticurrent, luminescence, oxygen quenching, triphenylpyrazoline	etono photoelectric	
	current, luminoscence, oxygen	llators prepared from	
•	solutions of PPO, BPO of 1, or to Popol' in tolucno. They are	stable with time, recall	
	non-volatile (mgm)r botting post-too A). Ox-gen quenching i	g Observed. The attacks	
* *	the "kh. ch." brand of 1-metayana and distilled in a vacuum. An	unknown impurity was	•
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	nation of the second se	The second secon	
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	detected in this propiness. The scintillation FEU during irrad	aration, but was shown to have no effect on the scintillion effectiveness was determined from the photoelectrication with gamma rays from Ag-110. I. Keirim-Mark	ation effective- c current in
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DEMCHENKO, N.P.; GREKOV, A.P.

New method of synthesizing 5-monoaryl-substituted derivatives of 1.3-oxazole. Zhur.ob.khim. 32 no.4:1219-1220 Ap '62.

1. Vsesoyuznyy nauchno-issledovatel'skiy institut monokristallov, stsintillyatsionnykh materialov i osoto chistykh veshchestv i Institut khimii polimerov i monomerov AN USSR.

(Oxazole)

NAGORNAYA, L.L.; BEZUGLYY, V.D.; DEMCHENKO, N.P.

Photoluminescent and scintillation properties of certain oxasols derivatives in polystyrens. Opt. 1 spektr. 13

no.4:518-521 0 !62. (MIRA 16:3)

(Oxazols)

(Luminenscence)

KUTSYNA, L.M.; SIDOROVA, R.P.; VOYEVODA, L.V.; ISHCHENKO, I.K.; DEMCHENKO, N.P.

Effect of the structure on the optical characteristics of derivatives of some five-membered heterocycles. Izv. AN SSSR.Ser.fiz. 26 no.10: 1304-1305 0 '62. (MIRA 15:10)

(Heterocyclic compounds—Optical properties)

(Chemical structure)

Polymers and Polymerization

Transformation of polymethylene into a trimer. Zhur. prikl. khim. 25 no. 1, 1952

Leningradskiy Tekhnologicheskiy Institut im. Lensoveta

Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

DEMCHENKO, N. S.

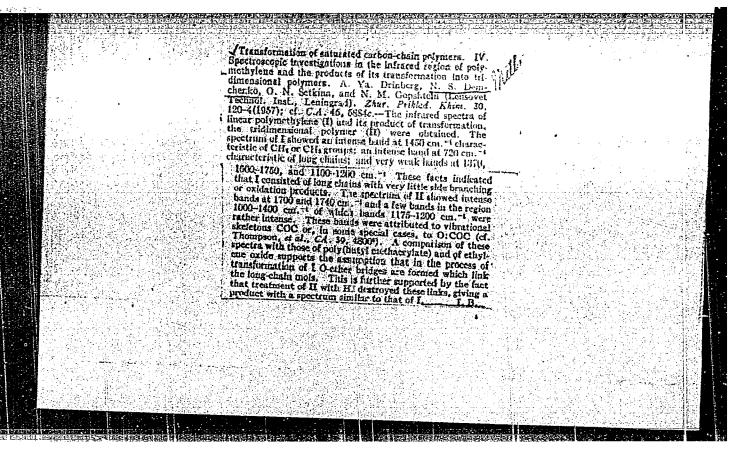
USSR/Chemistry - Plastics

Jan 52

"Conversion of Polymethylene Into a Three-Dimensional Polymer," A. Ya. Drinberg, N. S. Demchenko, Leningrad Technol Inst imeni Lensovet

"Zhur Prik Khim" Vol XXVI, No 1, pp 57-63

Studied conversion of polymethylene into insol, infusible 3-dimensional polymer in presence of 0_2 from air at temps $> 170^{\circ}\text{C}$ and in presence of initiators (benzoyl peroxide) at $130\text{-}140^{\circ}\text{C}$. Conversion starts at surface of film which is in contact with 0_2 and is more complete when surface is thinner. Film adhesion rises with increased deg of conversion: Proposes probable mechanism of conversion.



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a trade to the		sistance of ceramic coat			75	
SOUR	CE: Steklo i ke	ramika, no. 6, 1965, 10	<i>i</i> -18		フノ B	
TOPJ additi	C TAGS: wear i	esistance, ceramic coa xide, chromic oxido	ting, steel, abras	ive wear, refrac	ory	No.S. Asia
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L 41637-66 EVIT(m)/EVP(e)/EVP(t)/ETI <u>udám/enáje</u> ACC NR. AP6008269 SOURCE CODE: UR/0080/66/039/002/0333/0337 AUTHOR: Demchenko, N. S.; Azarov, K. P. ORG: Novocherkassk Polytechnic Institute imeni S. Ordzhonikidze (Novocherkasskiy politekhnicheskiy institut) TITLE: Treatment of nickel alloys before application of a ceramic covering SOURCE: Zhurnal prikladnoy khimii, v. 39, no. 2, 1966, 333-337 TOPIC TAGS: nickel containing alloy, electrolyte, cation, ceramic film ABSTRACT: Two Ni alloys with compositions of 94.95% and 88.0% and minor components of Cr, Fe, Mn, Al, and Si mere studied. Both contained a dense layer of oxide. The oxide layer was removed by a fused alkaline or a mixture of chromic and phosphoric acids. Treated and untreated surfaces were subjected to electrolytic action and the weight loss of metal was determined. There is a strong correlation between the loss of metal and the cationic species in the electrolytic solution. Cationic species include: Ni⁺⁺, Co⁺⁺, Zn⁺⁺, Fe⁺⁺, Cu⁺⁺, Na⁺, in order of increasing ionic radius. Rate less of metal exceeds 60 g/dm² min for Fe⁺⁺. The microscopic texture of the metal surface appears to change with the type of cation in solution. In the case of Co⁺ in solution, it is shown that the loss in weight (20-100 g/cm2) and the decrease in thickness (by 20-100 microns) of the Ni anode are linear functions of time (2-14 min). Original art, has: 5 figures, 1 table. OTH REF: 004 SUB CODE: 11/ SUBH DATE: 24Apr64/ UDC: 620.193.01 Cord 1/1 af

1 - 677-67 EAR(m)/WW(3) 601
ACC 200 AP6032541 (;) SOURCE CODE: UR/0413/66/000/017/0153/0153

INVENTOR: Fomenko, L. A.; Abramov, N. G.; Vasilenko, P. F.; Velikodnyy, V. G.; Demehenko, O. G.; Usenko, V. Ya.; Eydel'man, V. S.

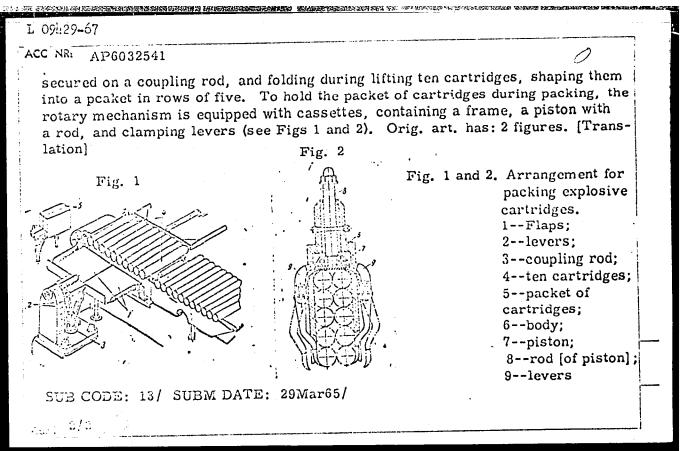
ORG: none

TITLE: Arrangement for packing explosive cartridges. Class 72, No. 185726

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 17, 1966, 153

TOPIC TAGS: packing technique, paper, explosive, packing machinery, cartridge packing

ABSTRACT! An Author Certificate has been issued describing an arrangement for packing explosive cartridges. It consists of a mechanism for unwinding the paper, applying glue and a stencilled pattern on the paper and cutting the paper to specification. There are mechanisms for aligning and collecting the cartridges and shaping bundles, a rotary mechanism, mechanisms for covering packets and unloading prepared packets, and an automatic interlocking system. To increase the efficiency in shaping cartridge packets, the arrangement has a mechanism for shaping packets, made in the form of rectangular flaps hinged with two levers, Cord 1/2 UDC: 623.457.621.798.4:622.242



DEMCHENICO, O.P. USSE/ Mathematics - Electrical engineering Card 1/2 Pub. 22 - 22/60 Authora Demchenko . O. P. Title Obtaining the frequency characteristics of automatic control systems with the help of Michalov's curves Periodical Dok. AN SSSR 100/4, 693-696, Feb 1, 1955 Abstract A method of determining the amplitude and phase of a forced oscillation is presented. The method consists of using Michalov's curves which are expressed as follows: $F(j\omega) = u(\omega_i) + jv(\omega_i)$, for the left side, and $F_1(j\omega_i) = \mu(\omega_i) + j\nu(\omega_i)$, for the right side of the equation, $(cD + d)x_0 = (eD + g)$ a sin wit, a solution of which gives the desired amplitude and phase. The symbol D stands for a differential operator introduced by Kulyabkin and called the K(D) espression Institution Academician V. S. Kulyabkin, November 26, 1954

Periodical: Dok. AN SSER 100/4. 693-696. Feb 1, 1955

Card 2/2: Pub. 22 - 22/60

Abstract: of a function. The main property of this operator is that when it is multiplied by a given function it turns into zero, i. e.; K(D): f(T) = 0. Three USSR references (1949-1951). Diagram.

CIA-RDP86-00513R000510010011-2 "APPROVED FOR RELEASE: 03/13/2001

DEMOHENKO UP

AUTHOR:

Demchenko, O. P.

20-4-21/51

TITLE:

A Note on the Problem of the Insertion of Links

Against Disturbing Effects in Automatic Control Systems

(K voprosu o vvedenii svyazey po vozmushchayushchim

vozdeystviyam v sistemakh avtomaticheskogo

regulirovaniya).

PERIODICAL: Doklady AN SSSR, 1957, Vol. 116, Nr 4, pp. 601-604 (USSR)

ABSTRACT:

Systems with automatic control, which possess an additional control by the insertion of links (so-called systems with combined control) are more widely distributed, because they are of a better quality than the systems operating on the principle of deviation. For the purpose of computing the parameters of such links a method is suitably employed, which permits to evaluate the efficiency of these links without a great loss of time. One of these methods is discussed in this paper. If a controlling and rectifying apparatus is introduced into a system with automatic control, then the differential equation

describing the behaviour of the output coordinate can be

written in the following form:

Card 1/3

A Note on the Problem of the Insertion of Links Against 20-4-21/51 Disturbing Effects in Automatic Control Systems

X(D)x=F(D)f(t) + G(D)g(t)

x denoting the output coordinate, f(t) the control action g(t), the disturbing action, X(D), F(D), G(D) certain operator polynomials, which are dependent on the parameters of the system, D denoting d/dt. Apparently the term G (D) characterizes the influence of the disturbing effect of g(t) on the control process. If the laws of the modification of the disturbing effect cannot be determined or guessed, and only general conceptions on the character of the disturbing influence prevail, then the principle of invariance or a method given here may be applied for the practical solution of the system. On the choice of the structure and of the parameters of the links it must be aspired to the end, that the deformed Mikhailov-curves in the range of the essential frequencies pass as near to the coordinate origin as possible. I' the end the differential equation is given for the case that several disturbances act on the system. There are 2 figures and 3 Slavic references.

Card 2/3

A Note on the Problem of the Insertion of Links Against 20-4-21/51. Disturbing Effects in Automatic Control Systems

PRESENTED: February 8, 1957, by V. S. Kulebakin, Academician

SUBMITTED: February 5, 1957

AVAILABLE: Library of Congress

Card 3/3

SHUVALOV, Wikolay Konstantinovich; POPOV, Ye.P., prof., doktor tekhn.
nauk, retsenzent; VORONOV, A.A., prof., doktor tekhn.nauk,
retsenzent; DEMCHENKO, O.P., kand.tekhn.nauk, retsenzent;
MAKSIMOV, A.D., kand.tekhn.nauk, nauchnyy red.; APTEKMAN, M.A.,
red.; TSAL, R.K., tekhn.red.

[Systems of program control operating on a combined principle]
Sistemy programmogo regulirovaniia, rabotaiushchie na kombinirovannom printsipe. Leningrad, Gos.soiuznoe izd-vo sudostroit.
promyshl., 1960. 74 p.
(Automatic control) (Programming (Electronic computers))

VASIL'YEV, D.V.; MIKHAYLOV, V.A.; NORNEVSKIY, B.I.; DEMCHENKO, O.P., starshiy nauchnyy sotr., kand. tekhn. nauk, retsenzent; MURATOV, I.I., dots., kand. tekhn. nauk, retsenzent; REYNGOL'D, Yu.A., kand. tekhn. nauk, dots., retsenzent; BAYKO, V.F., kand. tekhn.nauk, dots., nauchnyy red.; KLIMINA, Ye.V., red.; KRYAKOVA, D.M., tekhn. red.

[Automatic control systems for ships] Sudovye avtomatizirovannye ustanovki. Leningrad, Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 595 p. (MIRA 15:2)

(Marine engineering) (Automatic control)

KRAMNIK, V.Yu.; SEMENOV, Yu.N.; ARUTYUNOV, E.A.; MOROZOV, V.N.; DEMCHENKO, O.Ya.

Chemically resistant ceramic metal filters made of sponge titanium wastes. Porosh.met. 4 no.4:86-90 Jl-Ag *64.

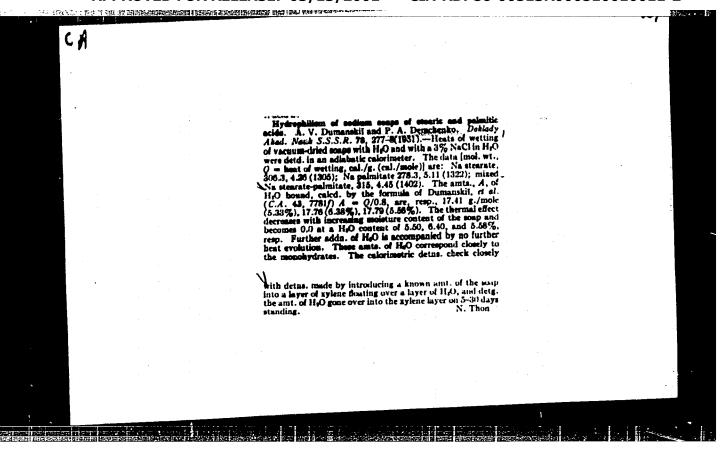
(MIRA 18:8)

1. Institut problem materialovedeniya AN UkrSSK, Zaporozhskoye otdeleniye.

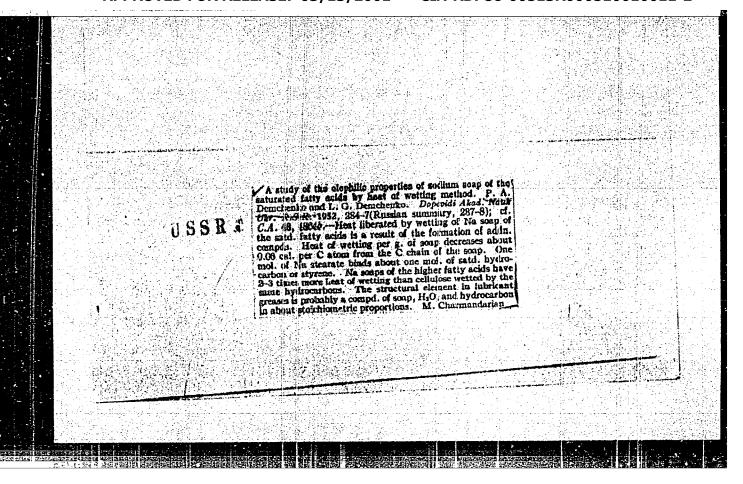
DUMANS KYY, A.V., divsnyy chlen; DEMCHENKO P.A.

Investigation of the viscosity of concentrated solutions of hard sosp. Dop. AN URSR no.3:135-137 '51. (MIRA 6:9)

1. Akademiya nauk Ukrayins'koyi RSR (for Dumans'kyy). 2. Instytut zahal'noyi ta neorhanichnoyi khimiyi Akademiyi nauk Ukrayins'koyi RSR. (Soap)

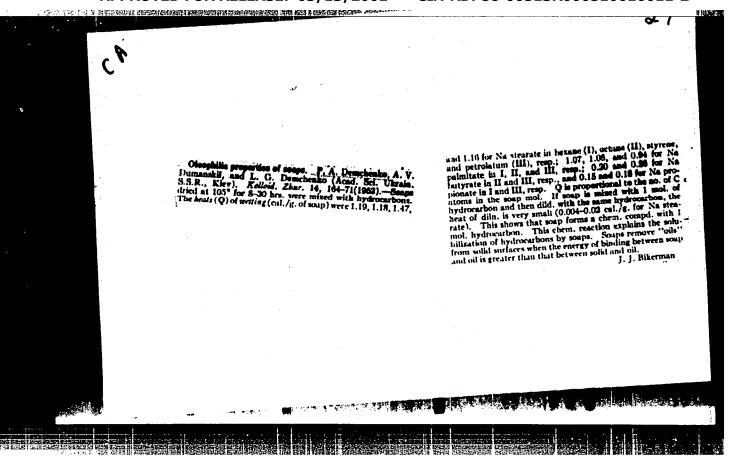


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CIA-RDP86-00513R000510010011-2



DUMANSKIY, A.V.; DEMCHENKO, P.A.; DEMCHENKO, L.G.

Dependence of viscosity of concentrated scap solutions on temperature.

Masloboyno Zhirovaya Prom '53, No.3, 14-16. (MLRA 6:3)

(GA 47 no.17:9036 '53)

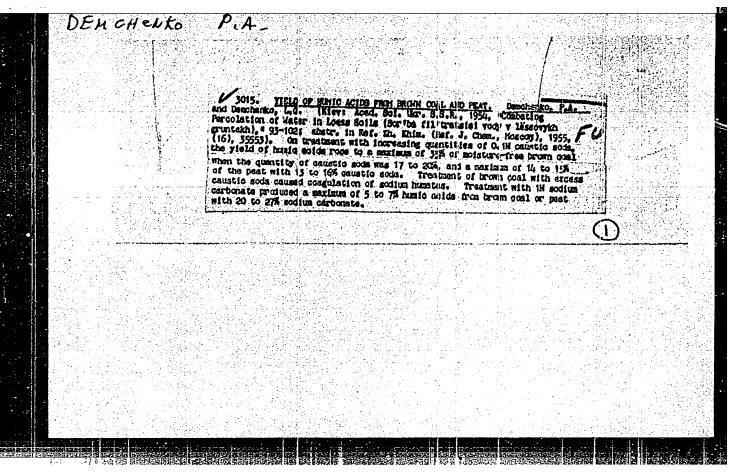
DEMCHENKO, P.A.; DEMCHENKO, L.G.

Refect of sodium hydroxide on the viscosity of concentrated soap solutions.

Nasl.-shir.prom. 18 no.5:16-17 My '53.

1. Inatitut obshchey i neorganicheskoy khimii AN SSSR.

(Soap) (Sodium hydroxide)

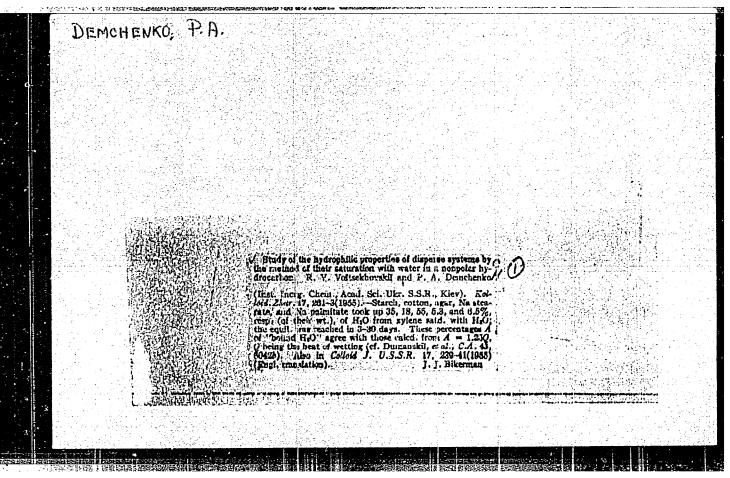


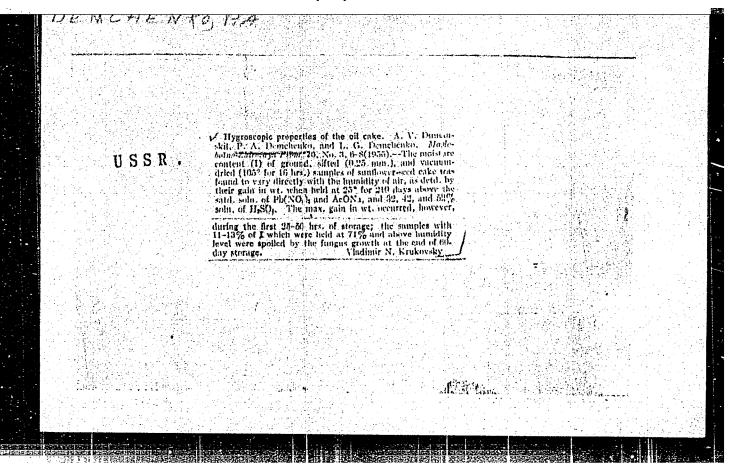
DEMCHENKO, P. A.

6708. Demchenko, P. A. Proizvodstvo myl i moyushchikh sredstv. Kiyev. Gostekhizdat USSR, 1954, 188s. s ill. 20sm. 1.400 ekz. 4 r. 55 k. -- Bibliogr: s. 185 (15 nazv.) -- (55-2623) p 668.1 + (016.3)

SO: Knizhnaya Letopis' No. 6, 1955

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Demchenko, P. H.

USSR/ Chemistry - Inorganic chemistry

Card 1/1 Pub. 116 - 3/29

Abstract

Authors Dumanskiy, A. V.; Denchenko, P. A.; and Demchenko, L. G.

Title . Effect of electrolytes on the viscosity of a sodium palmitate solution

Periodical : Ukr. khim. zhur. 21/6, 700-702, Dec 1955

The effect of various amounts of electrolyte on the viscosity of a sodium palmitate solution was investigated at a temperature of 90°. It was found that an increase in the electrolyte amount causes a reduction in the viscosity of the sodium palmitate solution which reaches a minimum at an electrolyte content of about 0.1 mol. It was observed that a further increase in concentration brings about a sharp increase in the viscosity of the solution which drops again after reaching a maximum. The sodium phosphate electrolyte showed the strongest effect on the viscosity of a sodium palmitate solution.

Three references: 2 USSR and 1 USA (1912-1951). Graphs.

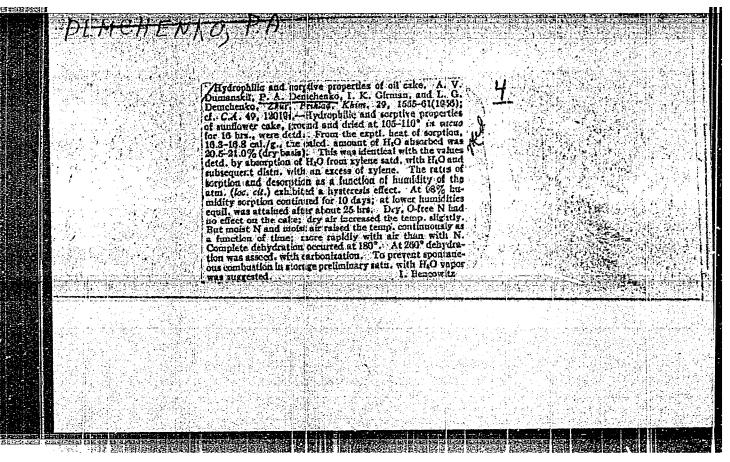
Institution: Acad. of Sc., Ukr. SSR, Inst. of Gen. and Inorgan. Chem.

Submitted: June 20, 1955

DEMCHRAKO, P.A., kandidat khimicheskikh nauk; DEMCHRAKO, L.G., inzhener;

Spontaneous comustion of expeller cake. Masl.-zhir.prom. 21 no.8: 9-12 '55. (MLRA 9:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR (for Demchenko, P.A., Demchenko, L.G.); 2. Ukrglovraszhirmaslo (for Girman). (Feeding and feeding stuffs--Storage)(Combustion, Spontaneus)



"Solubilization in scap solutions,"

report presented at the Fourth All-Union Conference on Colloidal Chemistry,
Thilisi, Georgian SER, 12-16 May 1938 (Koll shur, 20,5, p.677-9, '58, Taubann, A.B)

DEMCHENKO, P.A., kand. khim. nauk.

THE REAL PROPERTY OF THE PROPE

Hydrophilic properties of soap made from synthetic fatty acids.

Masl.-shir. prom. 24 no.2:24-26 '58. (MIRA 11:3)

1. Institut obshchey i neorganichskoy khimii AN USSR. (Soap) (Acids, Fatty)

DEMCHENKO, P.A.

Hydrophllic properties of sodium soaps of saturated fatty acids.

Ukr. khim. zhur. 24 no.3:340-343 158. (MIRA 11:9)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Fatty acids) (Soap)

DEMCHENKO, P.A.

Colloid solubility(solubilization)of tetrachloride in hydrosols of sodium soaps of saturated fatty acids. Ukr.khim.zhur. 24 no.6:746-748 '58.

(MIRA 12:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Carbon tetrachloride) (Solubility) (Metallic soaps)

DEMCHRNKO, P.A., kand. khim. nauk

Reaction of hydrocarbons with some from synthetic fatty scids.

Masl.-shir. prom. 24 no. 8:29-30 158. (MIRA 11:8)

1. Institut obshchey i neorganicheskoy khimii AN SSSR.
(Petrolatum)
(Soap)

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sov/21-59-5-9/25

AUTHOR:

5(

Demchenko, P.A.

TITLE:

Solubilization of Dichlorethane and Chloroform in Solutions

of Sodium Soaps of Fatty Acids

PERIODICAL:

Dopovidi Akademii nauk Ukrains'koi RSR, 1959, Nr 5,

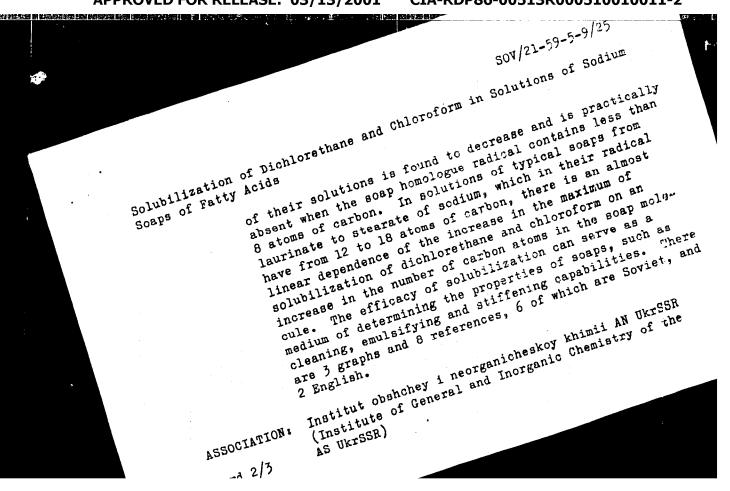
pp 494-497 (USSR)

ABSTRACT:

The author studied the solubilization of dichlorethane and chloroform in solutions of saturated fatty acid soaps; stearate, palmitate, myristate, laurinate and caprylate of sodium. Soap specimens were made by the method described in reference 7. Solubilization process ended actually within one day, but complete saturation was achieved in 40-50 hours. The study of solubilization kinetics of dichlorethane (Fig. 1) and chloroform (Fig. 2) showed that the curves of dependence of solubilization of carbon chlorides on the molecular weight of homologs were analogues. With a decrease in the number of carbon atoms in the chain of the soap radical, the dissolving capacity

Card 1/3

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DEMCHENKO, P.A. kand khim.nauk

Colloidal solubility of hydrocarbons in solutions of scaps of synthetic fatty acids. Masl.-zhir.prom. 25 no.10:22-24 [59. (MIBA 13:2)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Hydrocarbons) (Soap)

DEMCHENKO, P.A.; DUMANSKIY, A.V.

A THE PARTY OF THE PROPERTY OF

Effect of the structure and length of the hydrocarbon radicals of detergents on their eleophilic properties. Kell.zhur.
22 no.3:272-276 My-Je '60. (MIRA 13:7)

1. Institut obshchey i neorganicheskoy khimii AN USSR, Kiyev. (Cleaning compounds)

DEMCHENKO, P.A.

Solubilisation of water in hydrocarbon solutions of lecithin..

Koll.shur. 22 no.3:297-300 My-Je '60. (MIRA 13:7)

1. Institut obshchey i neorganicheskoy khimii AN USSR, Kiyev.
(Hydrocarbons) (Lecithin)

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DEMCHENKO, P.A., kand.khim.nauk

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Effect of free fatty acids, of excess alkali and alkali electrolytes on the solubilization of hydrocarbons in scap solutions. Masl.-zhir.prom. 26 no.6:27-29 Je '60. (MIRA 13:6)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Hydrocarbons) (Acids, Fatty) (Alkali)

DEMCHENKO, P.A., kand.khim.nauk

Determination of the critical concentrations for the formation of micelles by means of solubilization and titrimetry. Masl.-zhir. prom. 26 no.9:26-28 S '60. (MIRA 13:8)

THE PROPERTY OF THE PROPERTY O

1. Institut obshchey i neorganicheskoy khimii AN Ukrainskoy SSR, (Micelles)

AUTHORS:

Demchenko, P. A., Dumanskiy, A. V., S/020/60/131/01/033/060

Corresponding Member AS USSR

B004/B011

TITLE:

Critical Regions of Concentration in Soap Solutions

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol 131, Nr 1, pp 120 - 121

(USSR)

ABSTRACT:

The investigation under review was submitted to the Section of Colloidal Chemistry at the 8th Mendeleyev Congress in Moscow on March 23, 1959. The authors determined the dependence of toluene dissolution on the concentration of the solutions of sodium laurate and potassium laurate. Figure 1 shows that the toluene dissolution becomes noticeable only in the case of soap solutions of 0.026 mol/l. With rising concentration of soap solutions (Fig 2) critical points occur, in which the solubility of toluene changes irregularly. For Na- and K-laurate these points lie at 0.28, 0.60, and 0.90 mol/l. Between these points the solubility of toluene is linear, and it is found to be somewhat higher in sodium laurate. This steplike change in solubility is explained by

structural modifications of the solutions under the formation

of more eleophilic mycelium. There are 2 figures and 8 references,

Card 1/2

Critical Regions of Concentration in Soap Solutions S/020/60/131/01/033/060 B004/B011

5 of which are Soviet.

SUBMITTED:

November 2, 1959

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Card 2/2

S/020/60/134/002/040/041XX B004/B067

AUTHORS:

Demchenko, P. A. and Dumanskiy, Corresponding Member of the

AS USSR

TITLE:

Effect of the Structure of the Hydrocarbons on Their

Solubility in Solutions of Sodium Soaps of Saturated Fatty

Acids

PERIODICAL:

Doklady Akademii nauk SSSR, 1960, Vol. 134, No. 2,

pp. 374-375

TEXT: In studying detergents (Refs. 1,2) the authors observed a different colloidal solubility of hydrocarbons according to their structure. They attempted to study this effect systematically. Sodium soaps were prepared by neutralizing pure fatty acids with NaOH, using a method described in Ref. 3. Fig. 1 shows the results obtained from Na caprylate, caprinate, laurate, myristate, palmitate, and stearate. (Soaps with shorter acid radicals than C8 did not dissolve the hydrocarbons studied). The following results were obtained: a) Aromatic hydrocarbons are solubilized more

Card 1/4

Effect of the Structure of the Hydrocarbons on Their Solubility in Solutions of Sodium Soaps of Saturated Fatty Acids

S/020/60/134/002/040/041XX B004/B067

intensely than aliphatic ones; b) a double bond increases solubilization; c) aliphatic substituents in benzene reduce its solubilization; d) branchings of the aliphatic chain increase solubilization. The more intense effect of soaps with increasing length of the hydrocarbon chain is explained by the fact that soaps with longer hydrocarbon chains form more oleophilic micellar structures and, hence, are capable of adsorbing more hydrocarbon. There are 1 figure and 7 references: 6 Soviet and 1 US.

ASSOCIATION:

Institut obshchey i neorganicheskoy khimii Akademii nauk USSR (Institute of General and Inorganic Chemistry of the

Academy of Sciences UkrSSR)

SUBMITTED:

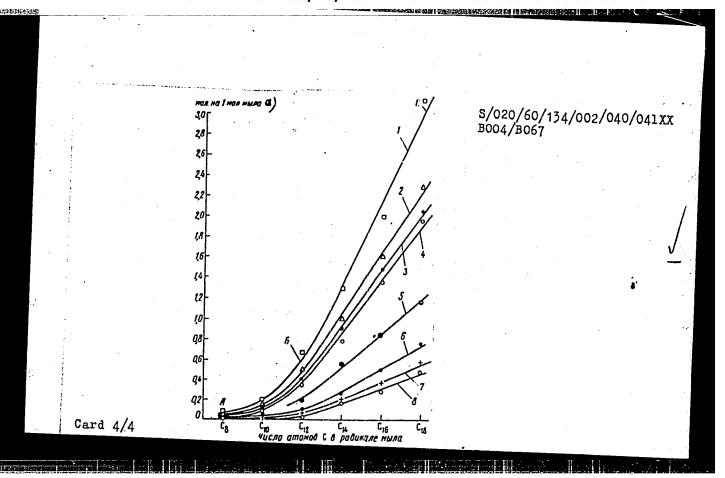
May 16, 1960

Card 2/4

Effect of the Structure of the Hydrocarbons on Their Solubility in Solutions of Sodium Soaps of Saturated Fatty Acids S/020/60/134/002/040/041XX B004/B067

Legend to Fig. 1: 1)
Solubilization of hydrocarbons of different structures in 0.1 M solutions of sodium soaps of saturated fatty acids. 1: benzene; 2: toluene; 3: styrene; 4: o-xylene; 5: ethyl benzene; 6: heptane; 7: isooctane; 8: octane; a) solubilized moles per mole of soap.

Card 3/4



APPROVED FOR RELEASE: 03/13/2001 CIA-RDP86-00513R000510010011-2"

DEMCHENKO, P.A.

Solubilization of aliphatic hydrocarbons in hyrosols of potassium soaps of fatty acids. Ukr. khim. zhur. 27 no.2:206-208 161. (MIRA 14:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Hydrocarbons) (Soap)

DEMCHENKO, P.A. [Demchenko, P.O.]

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Effect of the molecular weight and concentration of sodium soaps of naphtenic acids on the solubilization of styrene [with summary in English]. Dop.AN URSR no.3:359-362 161. (MIRA 14:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR. Predstavleno akademikom AN USSR A.V.Dumanskim [Dumans'kyi, A.V.]. (Styrene) (Soaps) (Naphthenic acids)

DEMCHENKO, P.A. [Demchenko, P.O.]

Critical concentrations of micelle formation in the solutions of detergent homologues. Dop.AN URSE no.7:928-931 161.

(MIRA 14:8)

1. Institut obshchey i neorganicheskoy khimii. Predstavleno akademikom AN USSR A.V.Dumanskim.
(Cleaning compounds)

DEMCHENKO, P.A.

Effect of electrolytes on the critical concentration of micelle formation and the solubilizing capacity of sodium laurate solutions. Koll.zhur. 23 no.5:528-530 S-0 '61.

(MIRA 14:9)

1. Institut obshchey i neorganicheskoy khimii AN USSR, Kiyev.

(Micelles) (Electrolytes) (Sodium laurate)

DEMCHENKO, P.A.

Effect of the molecular weight of sodium naphthenates and soaps of synthetic fatty acids on the solubilization of hydrocarbons. Koll.zhur. 23 no.5:531-534 S-0 '61. (MIRA 14:9)

1. Institut obshchey i neorganicheskoy khimii AN USSR, Kiyev. (Hydrodarbons) (Naphthenic acid) (Soap)

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DEMCHENKO, P.A., kand.tekhn.nauk

Removal of unsaponifiable impurities from naphthenic acids.

Musl.-zhir.prom. 27 no.3:27-28 Mr 161. (MIRA 14:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Naphthenic acid)

DEMCHENKO, P.A., kand.khim.nauk

Border concentrations in sodium naphthenate solutions. Masl.-zhir. prom. 27 no.9:19-20 S '61. (KIRA 14:11)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Naphthenic acid)

DEMCHENKO, P.A.; DUMANSKIY, A.V.

Desolubilization of hydrocarbons from solutions of naphthenic acid soaps and potassium laurinate. Dokl.AN SSSR 136 no.5:1139-1141 F 161. (MTRA 14:5)

1. Institut obshchey i neorganicheskoy khimii AN USSR. 2. Chlenkorrespondent AN SSSR(for Dumanskiy). (Hydrocarbons) (Solubility)

DEMCHENKO, P.A.; DUMANSKIY, A.V.

effect of phosphates and polyphosphates on the solubilizing properties of detergents. Dokl. AN SSSR 139 no.4:919-921 Ag '61. (MIRA 14:7)

1. Institut obshchey i neorganicheskoy khimii AN USSA. 2. Chlenkorrespondent AN SSSR (for Dumanskiy). (Cleaning compounds) (Phosphates)

DEMCHENKO, P.A.; DUMANSKIY, A.V.

Effect of lyophile colloids on the solubilization of hydrocarbons in washing solutions. Dokl. AN SSSR 140 no.2:398-400 5 61.

(MIRA 14'9)

1. Institut obshchey i neorganicheskoy khimii AN USSR. 2. Chlenkorrespondent AN SSSR (for Dumanskiy).

(Cleaning compounds) (Hydrocarbons)

DEMCHENKO, P.A.

Effect of electrolytes on the solubilization and critical concentration of potassium laurinate micelle formation. Ukr. khim. zhur. 28 no.1:46-48 '62. (MIRA 16:8)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

DEMCHENKO, P.A.; SKOROBOGAT'KO, Ye.P.

1. M. 164 AUGUSTANDERSEEDING HE KANSKEN KOLING MIG BE D SINGE

Effect of phenols on the solubilization of hydrocarbons in soap solutions. Ukr.khim.zhur. 28 no.2:203-205 '62. (MIRA 15:3)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Phenols) (Hydrocarbons) (Solubility)

DEMCHENKO, P.A., kand.khim.nauk

Effect of sodium phosphate and polyphosphates on the solubilization of hydrocarbons in soap solutions. Masl.-zhir.prom. 28 no.2:23-26 F '62. (MIRA 15:5)

1. Institut obshchey i neorganicheskoy khimii AN USSR. (Sodium phosphates) (Solubility) (Cleaning compounds)

DEMCHENKO, P.A.

Critical concentrations im solutions of naphthenic acid soaps. Ukr.khim.zhur. 27 no.3:322-326 161. (MIRA 14311)

1. Institut obshchey i neorganicheskoy khimii AN USSR.
(Naphthenic acid)
(Soap)

DEMCHENKO, P. A.; ZAKHAROVA, N. N.; DEMCHENKO, L. G.

Effect of electrolytes on the critical concentration of sodium laurinate and naphthenate micelles. Ukr. khim. zhur. 28 no.5: 611-614 '62. (MIRA 15:10)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

(Electrolytes) (Naphthenic acid) (Lauric acid)

DEMCHENKO, P.A., kand.khim.nauk

Collcidal and chemical classification of surface-active substances. Masl.-zhir.prom. 28 no.7:27-30 J1 '62.

(MIRA 15:11)

1. Institut obshchey i neorganicheskoy khimii AN

UkrSSR.

(Surface-active agents)

DEMCHENKO, P.A., kand. khim. nauk; SKOROBOGAT'KO, Ye.P., insh.

Effect of alkylmeddes on the solubilization of carbohydrates in soap solutions. Masl.-zhir. prom. 29 no.5:17-19 My '63.

(MIRA 16:7)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

(Cleaning compounds) (Amides)

DEMCHENKO, P.A.

Volumetric determination of colloidal solubility (solubilization) . Koll. zhur. 23 no.1:31-35 Ja-F '61.

Solubilization of aromatic hydrocarbons in hydrosols of saturated fatty acid soaps. Ibid.:36-39 (MIRA 17:2)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR, Kiyev.

ACCESSION NR: AP4037057

s/0073/64/030/005/0504/0507

AUTHORS: Slovikovskiy, V.I.; Demchenko, P.A.

TITLE: Monoethanolamide of naphthenic acids

SOURCE: Ukrainskiy khimicheskiy zhurnal, v. 30, no. 5, 1964, 504-507

TOPIC TAGS: naphthenic acid monoethanolamide, naphthenic acid, fatty acid, surfactant, crude naphthenic acid

ABSTRACT: This is an effort to find a substitute for fatty acids. It is known that soaps of naphthenic acids are just as unstable in hard water and in acid medium as soaps of fatty acids. Therefore, it appeared expedient to block the carboxyl group of the naphthenic acids which would then produce a surfactant, and this is achieved acids which would then produce a surfactant, and this is achieved acids by the transformation of these acids in alkylolamides. Until now the latter were prepared from natural fats; here naphthenenic acids were used in such a synthesis for the first time. Crude naphthenic acid with 15% nonsaponifying resins was diluted with low-boiling hydrocarbons (1:1.5 by volume), treated with sulfuric acid (73-75% concentration taken 8-10% of the waterfree crude), heated

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ACCESSION NR: AP4037057

to 45% for coagulation of the resins. The remaining 8-10% hydrocarbons which cannot be saponified are eliminated by desolubilization from the colloidal soap solution (acetone, dioxane, methanol, ethanol, etc.). The soap is then broken down with sulfuric or hydrochloric acid and pure naphthenic acids are prepared. These naphthenic acids were used for preparing their methyl esters and the latter were amidated with monoethanolamine + catalyst into monoethanolamide. Monoethanolamides are oily dark liquids readily soluble in polar organic solvents. They form stable emulsions in water and can find broad applications in industry. Their physical properties are described. Orig. art. has: 1 formula and 3 tables.

ASSOCIATION: Institut obshchey i neorganicheskoy khimii AN UkrSSR (Institute of General and Inorganic Chemistry, AN UkrSSR)

SUBMITTED: 16May63

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TTLE: Dove	lopment of a fast par stigating plasma burs	ticl <u>e bear plas</u> ts	n probing technique for	
IOJRCE: Zhur	nal tekhnicheskoy fiz	1k1, v. 15, no.	4, 1965, 711-716	
COPIC TAGS:	plasma diagnostics	nwirocen blasma		
Nistract: 1 ionized plas itom beam co	particle density he authors have previ ma bursts by measurin casioned by its trave , p.212, 1963; Doklad	ously determine g the decrease reing the plasm a IV Kezhduna Parish. 1963	d the particle density in highling the intensity of a hydrogen a (Sb. "Diagnostika plazmy". Indian konferentsii po lonizats lieport at the 4-th Internation is, July 19637). In the present	y

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ACCESSION NR: AP5010809

(or a single composite beam) si her of atoms of different energies or of atoms and ions. Measurements of hydrogen plasma bursts were performed with the apparatus described in detail in the references cited above. In one set of experiments, hydrogen plasma bursts from a conical plasma gun were traversed by a beam containing both hydrogen atoms and hydrogen ions. The beam was obtained from a proton beam by charge exchange collisions in a gas chamber and the separate constituents were detected by the method of V.V.Alrosimov at al. (Zhw, 30, 1470, 1960) involving production of secondary electrons on targets, plastic scintillators, and photomultipliers. After passage of the highly ionized head of the burst, the ionization fell to 20%, then increased to a second maximum of 30% just before the region of maximum density, and subsequently decreased monotonically. The particle density was also measured with an electrostatic probe; the probe and particle beam measurements were in good agreement. Experiments were also performed with beams of 4 and 12 keV hydrogen atoms. These experiments are said also to have given satisfactory results, but they are only briefly described. Probe beams concaining both atoms and ions are preferable to those containing only atoms of different energies, buth they cannot be employed when the plasma burst moves in a magnetic field. The cross sections for all the interaction processes between the probe-beam and plasms particles must be known; this committee is not when a hydro-

Card 2/3

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	gen plasma is probed with a hydrogen beam	Orig. art. has: 4 formulas, 4 figures,
	and 1 table.	
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EWT(1) IJP(c) AT/GD SOURCE CODE: UR/0000/65/000/000/0084/0089 L_43912-66 ACC NR: AT6020405 60 AUTHOR: Krupnik, L. I.; Shulika, N. J.; Demchenko, P. A. ORG: none 13+1 TITLE: Behavior of plasmoids in the longitudinal magnetic field SOURCE: AN UkrSSR. Issledovaniye plazmennykh sgustkov (Study of plasma clusters). Kiev, Naukova dumka, 1965, 84-89 TOPIC TAGS: plasmoid, plasma magnetic field, plasma diagnostics, plasma injection, plasma density, magnetic mirror ABSTRACT: The authors report attempts to investigate the entrance of a plasmoid into an axially-symmetrical magnetic field by sounding the plasma with beams. The sounding was carried out with beams of fast particles, using a procedure described earlier (in: Diagnostika plazmy, Gostomizdat, 1963, p. 212). The experimental setup was also described in detail in the earlier paper. The plasmoid was produced with a conical source with pulsed injection of gas (Yu. S. Azovskiy et al., ZhTF v. 34, 5, 841, 1964). The magnetic field could be made homogeneous or inhomogeneous by using two or one solenoids. Measurement of the distance between the movable solenoid producing the magnetic field and the point of fast-particle sounding made it possible to determine the influence of the magnetic field on the plasmoid properties. The results show that in a field up to 2500 Oe a plasmoid with charged-particle density 1014 cm-3, bounded by a diaphragm 15 mm in dia., follows strictly the magnetic force 1/2

the plasmoid	asses unchanged t from the magneti er these conditio	c mirror or	change in t	he density of	No reflecti the plasmoi	on of d wer
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SOURCE CODE: UR/0000/65/000/000/0188/0195 L 43797-65 EWF(1) ACC NR: AT6020417 AUTHOR: Krupnik, L. I.; Shulika, N. G.; Demchenko, P. A. ORG: none TITLE: Determination of density, degree of ionization, and electron temperature of plasmoids by the method of fast particle beams SOURCE: AN UkrSSR. Issledovaniye plazmennykh sgustkov (Study of plasma clusters). Kiev, Naukovo dumka, 1965, 188-195 TOPIC TAGS: plasmoid, plasma gun, plasma electron temperature , ELECTRON) DENSITY ABSTRACT: The parameters of plasma injected from a conical gum were investigated using neutral hydrogen and proton beams of various energies. This type of probing makes it possible to determine electron density, temperature and the degree of ionization as functions of time. Electron temperature measurements were supplemented by a spectroscopic method. These measurements helped to establish a gum operation regime producing impurity-free plasma with good repeatability from shot to shot. The absorption of the heavy particle beam was found to be quite useful since the plasma dynamics could be followed with approximately 30% accuracy without any significant interaction with the plasma. The measurements show that the plasma ejected from the gun has a forward part consisting of pure hydrogen with about 90% ionization. Its electron tempera-Card 1/2

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ture reached so	ome 60 to 80 ev. and its temperat and that of the quantities is sho	414 7		- Liahan	Two ical I	:Twe Agr.ra-
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UR/0000/65/000/000/0195/0203 EWT(1)L 43796-66 SOURCE CODE: AT6020418 ACC NR: 61 AUTHOR: Krupnik, L. I.; Shulika, N. G.; Demchenko, P. A. B+/ ORG: none TITLE: Impingement of plasmoids on a metallic surface SOURCE: AN UkrSSR. Issledovaniye plazmennykh sgustkov (Study of plasma clusters). Kiev, Naukovo dumka, 1965, 195-203 TOPIC TAGS: plasmoid, plasma diagnostics, plasma generator, plasma density, meral. ABSTRACT: Various aspects of the problem of colliding plasmas with metallic walls were studied using a conical plasma generator injecting plasma into a channel where diagnostic measurements on plasma properties were made. At the end of the channel, a reflecting metallic surface was set at 45°. The reflected plasma diagnostics were made in the vessel behind the reflector set at 90° to the incident plasma channel. The main tools for plasma analysis was the mass spectrograph and neutral atom beam. It has been shown that in the region of 1 to 2 cm from the reflector the plasma density increased by about a factor of 10. It is not clear what mechanism is responsible for such density increase. The mean energy of the particles in the investigated plasma changes by an insignificant amount with some addition of impurities from the reflecting surface. This is in contrast to work of A. A. Kalmykov, et al (ZhTF, 1964, 34, Card 1/2

of meflected particles.		L 43796-66	· · · · · · · · · · · · · · · · · · ·						0		
The impurity composition was deficient operation of the reflector. The coefficient of rator giving the most efficient operation of the reflected number of particles flection was not studied in detail; its value (ratio of reflected number of particles flection was not studied in detail; its value (ratio of reflected number of particles to that of incident) is about 1:10. Orig. art. has: 5 figures.		ACC NR:	1 7602041	8				•			
to that of incident) is about 1.25 ORIG REF: 006	; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	8, 1423) where large peaks were found in the energy spectrum of reflected particles. The impurity composition was determined for several voltage regimes in the plasma generator giving the most efficient operation of the reflector. The coefficient of representation of the reflected number of particles									
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USSR/General Problems of Pathology. Tumors. Experimental

U-4

Therapy.

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: Ref Zhur - Biol., No 20, 1958, No 93926 Abs Jour

Author

: Demchenko, p. F.

Inst

: Not given

Title

: Treatment of Warts with Chelidonium Majus

Orig Pub

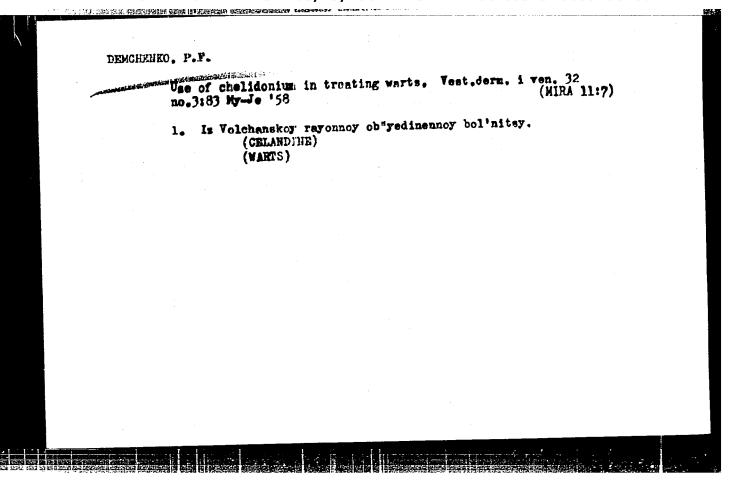
: Vrachebn. delo, 1957, No. 12, 1335-1338

Abstract

: An extract of Chelidonium majus, preserved in 75% alcohol and appearing as a yellowish-brown liquid with an arountic arona, was applied on 191 patients for the treatment of warts, papillomas, condylomas, and nodules of nursing mothers. The preparation was applied with an eye dropper on the affected area 2-3 times a day until improvement was observed. Complete resolution of the warts occurred 15-20 days after treatment. Complete recovery was observed in 135 individuals. -- V. V.

Berezhinskaya.

Card 1/1



FKYTSARENKO, A.M. [Feitsarenko, A.M.], otv. red.; PREDKO, I.G. [Predko, I.H.), red.; CRIN'KO, T.F. [Hrin'ko, T.F.], kand. sel'khoz. nauk, red.; DEMCHENKO, P.K., red.; DOBROVOL'SKIY, I.M. [Dobrovols'kyi, I.M.], red.; LIMAR, F.M. [Lymar, F.M.], red.; SEMENOV, F.G. [Semenov, F.H.], FEYTSARENKO, G.I. [Feitsarenko, H.I.], kand. sel'khoz. nauk, red.; VAS'KOVSKIY, Yu.I. [Vas'kovs'kyi, IU.I.], red.; VIDONYAK, A.P. [Vidoniak, A.P.], tekhn. red.

[Sixty years of the Cherkassy (formerly Verkhnyaki) State
Agricultural Experiment Station; collection of scientific papers]
60 rokiv Cherkas'koi (kol. Verkhniats'koi) derzhavnoi sil's'kohospodars'koi doslidnoi stantsii; zbirnyk naukovykh prats'. Kyiv,
Vyd-vo Ukrains'koi akad. sil's'kohospodars'kykh nauk, 1961. 145 p.
(MIRA 15:2)

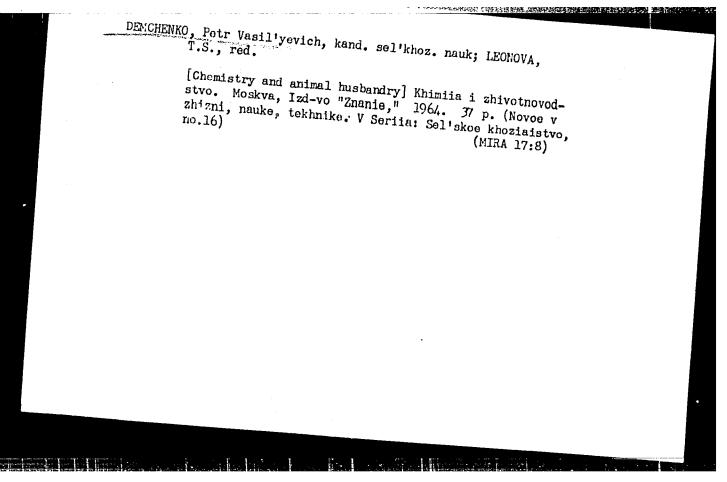
1. Cherkassy. Derzhavna sil's'kohospodars'ka doslidna stantsiya.

2. Direktor Cherkasskoy gosudarstvennoy sel'skokhozyaystvennoy opytnoy stantsii(fer Feytearenho; A.M.). 3. Zavednyushchiy otdelom selektsii sakharnoy svekly Cherkasskoy gosudarstvennoy sel'skokhozyaystvennoy opytnoy stantsii (for Grin'ko).

(Continued on next card)

FEYTSARENKO, A.M. (continued) Card 2.

4. Zaveduyushchiy otdelom ekrabotki pechvy Cherskasskoy gosudarstvennoy sel'skokhozyayatvennoy opytnoy stantsii (for
Demchenko). 5. Zaveduyushchiy otdelom skotovodstva Cherkasskoy
gosudarstvennoy sel'skokhozyaystvennoy opytnoy stantsii (for
Limar). 6. Zaveduyushchiy otdelom selektsii zernovykh kul'tur
Cherkasskoy gosudarstvennoy sel'skokhozyaystvennoy opytnoy
stantsii (for Feytsarenko, G.I.).
(Cherkassy—Agricultural experiment stations)



- 1. DEMCHENKO, P. V.; KOSTYLEVA, K. S.
- 2. USSR (600)
- 4. Dairy Cattle
- 7. Progressive practice in increasing milk production.
 Dost. sel'khoz. no. 2, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953, Unclassified.

KOLPAKOVA, Ye.A., kandidat sel'skokhozyaystvennykh nauk; DEMCHESKO, P.V., kandidat sel'skokhozyaystvennykh nauk.

Utilization of the murrients and energy of rations by milk cows as affected by the amount of fodder beets of silage in the ration.

Trudy VNIII 3:3-23 '56.

(Gows--Feeding and feeding stuffs) (Beets) (Ensilage)

DENCHENKO, P.V., kandidat sel'skokhosyaystvennykh nauk; KAPUSTIMA, A.V.

Consumption of mutritive substances and energy in highly productive pregnant dry Eholmogory cows. Trudy VNIIK 3:111-139 '56.

(Cows.-Feeding and feeding stuffs) (Metabolism) (MIRA 10:4)

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DENCHINKO, P.V., kandidat sel'skokhozyaystvennykh nauk.

New food rations for growing cattle. Trudy VNIIK 3:169-180 *56.

(Cattle--Feeding and feeding stuffs) (MLRA 10:4)

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DEMCHESKO, P.V., kandidat sel'skokhozyaystvennykh nauk.

Increasing early maturation in cattle. Trudy VNIIE 3:181-197 156.
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156. (MIRA 10:4)

(Algae) (Feeding and feeding stuffs)

USSR/Farm Animals - Cattle

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Abs Jour : Ref Zhur - Bioli, No 15, 1959, 69307

Author Demchenko, P.V. Inst

Title : Nutritional Value of Seaweeds

Orig Pub : Zhivotnovodstvo, 1956, No 12, 49-53

Abstract : The nutritional value of seaweeds of the species

Laminaria saccharina and L. dagitata was studied. . The introduction of seaweeds (up to 30% of the total feed value) into the rations of cows does not affect milk production and the quality of milk. Feeding of seaweeds up to 10 kg daily per head has no adverse influence on the cheese quality. Seaweeds can be used in the rations of farm animals in combination with

other feeds.

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